Introduction to Research Data Management

Background

Organizing and managing research data are the most important prerequisites for ensuring the quality, security, durability and reproducibility of research data, both during a research project and in the long-term. Moreover, many funding agencies, such as the Swiss National Science Foundation (SNSF) and the European Commission (e.g., H2020/Horizon Europe), require grant applicants to develop a data management plan (DMP) in order to receive funding. This introductory course will highlight the essential knowledge, resources and skills to manage your research data efficiently.

To reach this goal, participants will learn how to:

- organise and manage research data throughout the data lifecycle, according to best practice;
- comply with funder requirements around research data management (RDM);
- develop and optimise a data management plan (DMP);
- manage and share research data according to good ethical and scientific practice;
- choose FAIR enabling research data repositories according to funder requirements and subject-specific needs, with hands-on exercises;
- share your research data management experience with your colleagues;

Methods and Tools

This workshop will be in interactive lecture format, including presentations as well as tasks and classroom assignments for participants to reflect and apply newly acquired knowledge.
To adjust the lecture contents according to the experience and knowledge level of the group, participants will be asked to fill out a questionnaire before the workshop starts.

Note on data management tools: We may mention possible software tools for different steps in the data management process, but there will be no guidance for specific tools, software, or programming languages. However, participants are welcome to share their experience and exchange knowledge during the workshop.

Credit points: Participants who want to earn credit points will be asked to submit a data management plan after the end of the workshop. After submission, they will receive feedback on their DMP. Detailed instructions will be provided during the workshop.

Trainers	Research Data Management Team, Open Science, University Library Bern
Target Group	Postdocs and PhD students from all fields of research, who are interested to learn about research data management and research data management plans.
Language	English
Date	Thursday, 19 May 2022, 9–17 h; Friday, 20 May 2022, 9–12 h.
Location	University of Bern, Hochschulstrasse 4, Room 331
Places available	24 (waiting list)
ECTS	0.5 is recommended if a data management plan is submitted
Requirements	Participants should bring their own laptops.
Course material	An ILIAS link will be send to registered participants before the course starts.
Further Information	This course is planned as a classroom course. However, it may be necessary to switch to distant learning due to the development of the health situation (Covid-19). If so, participants will receive notice in advance.